



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Spectra Energy Transmission, LLC

Certificate of Analysis Number:

09081449

<u>Report To:</u> Spectra Energy Transmission, LLC Joe Bauer 5400 Westheimer Court Houston TX 77056- ph: (713) 627-5400 fax:	<u>Project Name:</u> Spectra Energy <u>Site:</u> Steckman Ridge <u>Site Address:</u> <u>PO Number:</u> Agreement No. ENV-0506 <u>State:</u> Pennsylvania <u>State Cert. No.:</u> 68-03598 <u>Date Reported:</u> 8/31/2009
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This Report Contains A Total Of 20 Pages

Excluding This Page, Chain Of Custody

And

Any Attachments

8/31/2009

Date



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Case Narrative for:
Spectra Energy Transmission, LLC

Certificate of Analysis Number:

09081449

Report To: Spectra Energy Transmission, LLC Joe Bauer 5400 Westheimer Court Houston TX 77056- ph: (713) 627-5400 fax:	Project Name: Spectra Energy Site: Steckman Ridge Site Address: PO Number: Agreement No. ENV-0506 State: Pennsylvania State Cert. No.: 68-03598 Date Reported: 8/31/2009
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I. SAMPLE RECEIPT:

All samples were received intact. The internal ice chest temperatures were measured on receipt and are recorded on the attached Sample Receipt Checklist.

Samples for COC ARF 9833 were received at a temperature of 15.2 and 15.9 degrees Celsius.

Collection date and times were missing from the Chain of Custody; however, were noted on the sample containers.

Please note, SPL received two samples for COC ARF 9833 IDs: "Pond-082809-1" and "Pond-082809-2", per client request via e-mail on August 31, 2009 samples were composited per analyses and treated as one sample and logged in as sample ID "MISC Pond-2493".

Containers for the RCRA Metals by Method SW6010B were received unpreserved and were preserved upon receipt with 3 milliliters of Nitric acid Lot # 072709-2EE.

Original Chain of Custody requested piano analyses by Method GPA2186; however, due to sample matrix a piano analyses was not possible. Sample was logged in as per revised Chain of Custody for Oil and Grease analyses by Method 1664A in addition to existing analyses per client request via e-mail on August 31, 2009.

Client was notified of the nonconformances mentioned above via Sample Receipt Confirmation e-mail on August 31, 2009 and per client request via e-mail on August 31, 2009, SPL continued with the analyses requested.

Please see attached sample receipt checklist for any further nonconformance issues.

II: ANALYSES AND EXCEPTIONS:

N-Hexane Extractable Material (1664A):

Due to limited sample volume a Matrix Spike Duplicate (MSD) was not extracted with Batch ID R282534. A Matrix Spike (MS) as well as a Laboratory Control Sample / Laboratory Control Sample Duplicate (LCS/LCSD) were extracted with the analytical batch and serve as the batch quality control (QC). Spike recoveries for the MS, LCS and LCSD were within QC limits.

PCB (E608):

Due to limited sample volume, a Matrix Spike (MS) or Matrix Spike Duplicate (MSD) was not extracted with Batch ID: (93407) for the PCBs analysis by EPA Method E608. A Laboratory Control Sample (LCS) and a Laboratory Control Sample Duplicate (LCSD) were extracted with the analytical batch and serve as the batch quality control (QC). The LCS and LCSD recovered acceptably and precision criteria were met.

III. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report (" mg/kg-dry " or " ug/kg-dry ").

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8/31/2009

Sylvia Grice

Senior Project Manager

Test results meet all requirements of NELAC, unless specified in the narrative.

Date



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Matrix spike (MS) and matrix spike duplicate (MSD) samples are chosen and tested at random from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. Since the MS and MSD are chosen at random from an analytical batch, the sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The Laboratory Control Sample (LCS) and the Method Blank (MB) are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

Some of the percent recoveries and RPD's on the QC report for the MS/MSD may be different than the calculated recoveries and RPD's using the sample result and the MS/MSD results that appear on the report because, the actual raw result is used to perform the calculations for percent recovery and RPD.

Any other exceptions associated with this report will be footnoted in the analytical result page(s) or the quality control summary page(s).

Please do not hesitate to contact us if you have any questions or comments pertaining to this data report. Please reference the above Certificate of Analysis Number.

This report shall not be reproduced except in full, without the written approval of the laboratory. The reported results are only representative of the samples submitted for testing.

SPL, Inc. is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or by his designee, as verified by the following signature.

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8/31/2009

Sylvia Grice

Senior Project Manager

Date

Test results meet all requirements of NELAC, unless specified in the narrative.



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Spectra Energy Transmission, LLC

Certificate of Analysis Number:

09081449

Report To: Spectra Energy Transmission, LLC

Joe Bauer

5400 Westheimer Court

Houston

TX

77056-

ph: (713) 627-5400

fax: (713) 989-8347

Fax To:

Project Name: Spectra Energy

Site: Steckman Ridge

Site Address:

PO Number: Agreement No. ENV-0506

State: Pennsylvania

State Cert. No.: 68-03598

Date Reported: 8/31/2009

Field Sampler: Mary Velasquez

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
MISC Pond-2493	09081449-01	Aqueous	8/28/2009 12:30:00 PM	8/31/2009 9:00:00 AM	9833	☐

Sylvia Grice
Senior Project Manager

8/31/2009

Date

Kesavalu M. Bagawandoss Ph.D., J.D.
Laboratory Director

Ted Yen
Quality Assurance Officer



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: MISC Pond-2493

Collected: 08/28/2009 12:30

SPL Sample ID: 09081449-01

Site: Steckman Ridge

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
MERCURY, TOTAL				MCL	SW7470A	Units: mg/L	
Mercury	ND		0.0002	1	08/31/09 15:34	F_S	5184997

<u>Prep Method</u>	<u>Prep Date</u>	<u>Prep Initials</u>	<u>Prep Factor</u>
SW7470A	08/31/2009 12:50	F_S	1.00

METALS BY METHOD 6010B, TOTAL				MCL	SW6010B	Units: mg/L	
Arsenic	ND		0.005	1	08/31/09 20:46	AB1	5185298
Barium	0.0791		0.005	1	08/31/09 20:46	AB1	5185298
Cadmium	ND		0.005	1	08/31/09 20:46	AB1	5185298
Chromium	ND		0.005	1	08/31/09 20:46	AB1	5185298
Lead	ND		0.005	1	08/31/09 20:46	AB1	5185298
Selenium	ND		0.01	1	08/31/09 20:46	AB1	5185298
Silver	ND		0.005	1	08/31/09 20:46	AB1	5185298

<u>Prep Method</u>	<u>Prep Date</u>	<u>Prep Initials</u>	<u>Prep Factor</u>
SW3010A	08/31/2009 13:30	R_V	1.00

N-HEXANE EXTRACTABLE MATERIAL				MCL	1664A	Units: mg/L	
n-Hexane Extractable Material	9.3		5	1	08/31/09 16:15	KAM	5185091

<u>Prep Method</u>	<u>Prep Date</u>	<u>Prep Initials</u>	<u>Prep Factor</u>
	08/31/2009 14:00		1.00

PESTICIDE/PCBS				MCL	E608	Units: ug/L	
Aroclor 1016	ND		0.5	1	08/31/09 17:15	RLR	5185209
Aroclor 1221	ND		0.5	1	08/31/09 17:15	RLR	5185209
Aroclor 1232	ND		0.5	1	08/31/09 17:15	RLR	5185209
Aroclor 1242	ND		0.5	1	08/31/09 17:15	RLR	5185209
Aroclor 1248	ND		0.5	1	08/31/09 17:15	RLR	5185209
Aroclor 1254	ND		0.5	1	08/31/09 17:15	RLR	5185209
Aroclor 1260	ND		0.5	1	08/31/09 17:15	RLR	5185209
Total PCB	ND		0.5	1	08/31/09 17:15	RLR	5185209
Surr: Decachlorobiphenyl	70.8	%	14-159	1	08/31/09 17:15	RLR	5185209
Surr: Tetrachloro-m-xylene	77.7	%	48-120	1	08/31/09 17:15	RLR	5185209

<u>Prep Method</u>	<u>Prep Date</u>	<u>Prep Initials</u>	<u>Prep Factor</u>
E608	08/31/2009 13:39	N_M	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference



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Client Sample ID: MISC Pond-2493

Collected: 08/28/2009 12:30

SPL Sample ID: 09081449-01

Site: Steckman Ridge

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				MCL	SW8260B	Units: ug/L	
1,1,1,2-Tetrachloroethane	ND		1	1	08/31/09 15:04	E_G	5184802
1,1,1-Trichloroethane	ND		1	1	08/31/09 15:04	E_G	5184802
1,1,2,2-Tetrachloroethane	ND		1	1	08/31/09 15:04	E_G	5184802
1,1,2-Trichloroethane	ND		1	1	08/31/09 15:04	E_G	5184802
1,1-Dichloroethane	ND		1	1	08/31/09 15:04	E_G	5184802
1,1-Dichloroethene	ND		1	1	08/31/09 15:04	E_G	5184802
1,1-Dichloropropene	ND		1	1	08/31/09 15:04	E_G	5184802
1,2,3-Trichlorobenzene	ND		1	1	08/31/09 15:04	E_G	5184802
1,2,3-Trichloropropane	ND		1	1	08/31/09 15:04	E_G	5184802
1,2,4-Trichlorobenzene	ND		1	1	08/31/09 15:04	E_G	5184802
1,2,4-Trimethylbenzene	ND		1	1	08/31/09 15:04	E_G	5184802
1,2-Dibromo-3-chloropropane	ND		5	1	08/31/09 15:04	E_G	5184802
1,2-Dibromoethane	ND		1	1	08/31/09 15:04	E_G	5184802
1,2-Dichlorobenzene	ND		1	1	08/31/09 15:04	E_G	5184802
1,2-Dichloroethane	ND		1	1	08/31/09 15:04	E_G	5184802
1,2-Dichloropropane	ND		1	1	08/31/09 15:04	E_G	5184802
1,3,5-Trimethylbenzene	ND		1	1	08/31/09 15:04	E_G	5184802
1,3-Dichlorobenzene	ND		1	1	08/31/09 15:04	E_G	5184802
1,3-Dichloropropane	ND		1	1	08/31/09 15:04	E_G	5184802
1,4-Dichlorobenzene	ND		1	1	08/31/09 15:04	E_G	5184802
2,2-Dichloropropane	ND		1	1	08/31/09 15:04	E_G	5184802
2-Chlorotoluene	ND		1	1	08/31/09 15:04	E_G	5184802
4-Chlorotoluene	ND		1	1	08/31/09 15:04	E_G	5184802
4-Isopropyltoluene	ND		1	1	08/31/09 15:04	E_G	5184802
Benzene	ND		1	1	08/31/09 15:04	E_G	5184802
Bromobenzene	ND		1	1	08/31/09 15:04	E_G	5184802
Bromochloromethane	ND		1	1	08/31/09 15:04	E_G	5184802
Bromodichloromethane	ND		1	1	08/31/09 15:04	E_G	5184802
Bromoform	ND		1	1	08/31/09 15:04	E_G	5184802
Bromomethane	ND		1	1	08/31/09 15:04	E_G	5184802
Carbon tetrachloride	ND		1	1	08/31/09 15:04	E_G	5184802
Chlorobenzene	ND		1	1	08/31/09 15:04	E_G	5184802
Chloroethane	ND		1	1	08/31/09 15:04	E_G	5184802
Chloroform	ND		1	1	08/31/09 15:04	E_G	5184802
Chloromethane	ND		1	1	08/31/09 15:04	E_G	5184802
Dibromochloromethane	ND		1	1	08/31/09 15:04	E_G	5184802
Dibromomethane	ND		1	1	08/31/09 15:04	E_G	5184802
Dichlorodifluoromethane	ND		1	1	08/31/09 15:04	E_G	5184802
Ethylbenzene	ND		1	1	08/31/09 15:04	E_G	5184802

Qualifiers:

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Client Sample ID: MISC Pond-2493

Collected: 08/28/2009 12:30

SPL Sample ID: 09081449-01

Site: Steckman Ridge

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Hexachlorobutadiene	ND		1	1	08/31/09 15:04	E_G	5184802
Isopropylbenzene	ND		1	1	08/31/09 15:04	E_G	5184802
Methyl tert-butyl ether	ND		1	1	08/31/09 15:04	E_G	5184802
Methylene chloride	ND		1	1	08/31/09 15:04	E_G	5184802
Naphthalene	ND		1	1	08/31/09 15:04	E_G	5184802
n-Butylbenzene	ND		1	1	08/31/09 15:04	E_G	5184802
n-Propylbenzene	ND		1	1	08/31/09 15:04	E_G	5184802
sec-Butylbenzene	ND		1	1	08/31/09 15:04	E_G	5184802
Styrene	ND		1	1	08/31/09 15:04	E_G	5184802
tert-Butylbenzene	ND		1	1	08/31/09 15:04	E_G	5184802
Tetrachloroethene	ND		1	1	08/31/09 15:04	E_G	5184802
Toluene	ND		1	1	08/31/09 15:04	E_G	5184802
Trichloroethene	ND		1	1	08/31/09 15:04	E_G	5184802
Trichlorofluoromethane	ND		1	1	08/31/09 15:04	E_G	5184802
Vinyl chloride	ND		1	1	08/31/09 15:04	E_G	5184802
cis-1,2-Dichloroethene	ND		1	1	08/31/09 15:04	E_G	5184802
cis-1,3-Dichloropropene	ND		1	1	08/31/09 15:04	E_G	5184802
m,p-Xylene	ND		2	1	08/31/09 15:04	E_G	5184802
o-Xylene	ND		1	1	08/31/09 15:04	E_G	5184802
trans-1,2-Dichloroethene	ND		1	1	08/31/09 15:04	E_G	5184802
trans-1,3-Dichloropropene	ND		1	1	08/31/09 15:04	E_G	5184802
Xylenes, Total	ND		1	1	08/31/09 15:04	E_G	5184802
Surr: 1,2-Dichloroethane-d4	109		% 78-116	1	08/31/09 15:04	E_G	5184802
Surr: 4-Bromofluorobenzene	110		% 74-125	1	08/31/09 15:04	E_G	5184802
Surr: Toluene-d8	102		% 82-118	1	08/31/09 15:04	E_G	5184802

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B/V - Analyte detected in the associated Method Blank

* - Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

E - Estimated Value exceeds calibration curve

TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution

MI - Matrix Interference

Quality Control Documentation



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Spectra Energy Transmission, LLC

Spectra Energy

Analysis: N-Hexane Extractable Material
Method: 1664A

WorkOrder: 09081449
Lab Batch ID: R282534

Method Blank

RunID: EX_090831D-5185086 Units: mg/L
Analysis Date: 08/31/2009 16:15 Analyst: KAM
Preparation Date: 08/31/2009 14:00 Prep By: Method:

Samples in Analytical Batch:

Lab Sample ID Client Sample ID
09081449-01E MISC Pond-2493

Analyte	Result	Rep Limit
n-Hexane Extractable Material	ND	5.0

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: EX_090831D-5185087 Units: mg/L
Analysis Date: 08/31/2009 16:15 Analyst: KAM
Preparation Date: 08/31/2009 14:00 Prep By: Method:

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
n-Hexane Extractable Material	40.0	40.0	100	40.0	39.8	99.5	0.5	18	78	114

Matrix Spike (MS)

Sample Spiked: 09081447-01
RunID: EX_090831D-5185092 Units: mg/L
Analysis Date: 08/31/2009 16:15 Analyst: KAM
Preparation Date: 08/31/2009 14:00 Prep By: Method:

Analyte	Sample Result	Spike Added	MS Result	MS % Recovery	Low Limit	High Limit
n-Hexane Extractable Material	ND	40	40.0	100	78	114

Qualifiers: ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TN/C - Too numerous to count

MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Spectra Energy Transmission, LLC

Spectra Energy

Analysis: Pesticide/PCBs
Method: E608

WorkOrder: 09081449
Lab Batch ID: 93407

Method Blank

Samples in Analytical Batch:

RunID: HP_A_090831C-5185210 Units: ug/L
Analysis Date: 08/31/2009 17:33 Analyst: RLR
Preparation Date: 08/31/2009 13:39 Prep By: N_M Method: E608

Lab Sample ID 09081449-01D
Client Sample ID MISC Pond-2493

Analyte	Result	Rep Limit
Aroclor 1016	ND	0.50
Aroclor 1221	ND	0.50
Aroclor 1232	ND	0.50
Aroclor 1242	ND	0.50
Aroclor 1248	ND	0.50
Aroclor 1254	ND	0.50
Aroclor 1260	ND	0.50
Total PCB	ND	0.50
Surr: Decachlorobiphenyl	97.1	14-159
Surr: Tetrachloro-m-xylene	89.1	48-120

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: HP_A_090831C-5185206 Units: ug/L
Analysis Date: 08/31/2009 16:23 Analyst: RLR
Preparation Date: 08/31/2009 13:39 Prep By: N_M Method: E608

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
Aroclor 1016	10.0	9.43	94.3	10.0	9.66	96.6	2.4	30	50	114
Aroclor 1260	10.0	9.85	98.5	10.0	9.66	96.6	1.9	30	8	127
Surr: Decachlorobiphenyl	1.00	0.987	98.7	1.00	1.00	100	1.8	30	14	159
Surr: Tetrachloro-m-xylene	1.00	0.931	93.1	1.00	0.946	94.6	1.7	30	48	120

Qualifiers: ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

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Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Spectra Energy Transmission, LLC

Spectra Energy

Analysis: Mercury, Total
Method: SW7470A

WorkOrder: 09081449
Lab Batch ID: 93419

Method Blank

Samples in Analytical Batch:

RunID: HGLD_090831A-5184995 Units: mg/L
Analysis Date: 08/31/2009 15:29 Analyst: F_S
Preparation Date: 08/31/2009 12:50 Prep By: F_S Method: SW7470A

Lab Sample ID 09081449-01C
Client Sample ID MISC Pond-2493

Analyte	Result	Rep Limit
Mercury	ND	0.0002

Laboratory Control Sample (LCS)

RunID: HGLD_090831A-5184996 Units: mg/L
Analysis Date: 08/31/2009 15:32 Analyst: F_S
Preparation Date: 08/31/2009 12:50 Prep By: F_S Method: SW7470A

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Mercury	0.002000	0.002002	100.1	80	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 09081449-01
RunID: HGLD_090831A-5184998 Units: mg/L
Analysis Date: 08/31/2009 15:37 Analyst: F_S
Preparation Date: 08/31/2009 12:50 Prep By: F_S Method: SW7470A

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Mercury	ND	0.002	0.001933	96.63	0.002	0.001863	93.15	3.670	20	75	125

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

MI - Matrix Interference
D - Recovery Unreportable due to Dilution
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8/31/2009 9:04:01 PM



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Spectra Energy Transmission, LLC

Spectra Energy

Analysis: Metals by Method 6010B, Total
Method: SW6010B

WorkOrder: 09081449
Lab Batch ID: 93431

Method Blank

Samples in Analytical Batch:

RunID: ICP2_090831B-5185290 Units: mg/L
Analysis Date: 08/31/2009 20:12 Analyst: AB1
Preparation Date: 08/31/2009 13:30 Prep By: R_V Method: SW3010A

Lab Sample ID 09081449-01C
Client Sample ID MISC Pond-2493

Analyte	Result	Rep Limit
Arsenic	ND	0.005
Barium	ND	0.005
Cadmium	ND	0.005
Chromium	ND	0.005
Lead	ND	0.005
Selenium	ND	0.01
Silver	ND	0.005

Laboratory Control Sample (LCS)

RunID: ICP2_090831B-5185291 Units: mg/L
Analysis Date: 08/31/2009 20:16 Analyst: AB1
Preparation Date: 08/31/2009 13:30 Prep By: R_V Method: SW3010A

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Arsenic	0.1000	0.09670	96.70	80	120
Barium	0.1000	0.1003	100.3	80	120
Cadmium	0.1000	0.09890	98.90	80	120
Chromium	0.1000	0.09920	99.20	80	120
Lead	0.1000	0.1012	101.2	80	120
Selenium	0.1000	0.09820	98.20	80	120
Silver	0.1000	0.09970	99.70	80	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 09081310-09
RunID: ICP2_090831B-5185293 Units: mg/L
Analysis Date: 08/31/2009 20:25 Analyst: AB1
Preparation Date: 08/31/2009 13:30 Prep By: R_V Method: SW3010A

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Arsenic	ND	0.1	0.1177	117.7	0.1	0.1139	113.9	3.282	20	75	125

Qualifiers: ND/U - Not Detected at the Reporting Limit MI - Matrix Interference
B/V - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated value between MDL and PQL * - Recovery Outside Advisable QC Limits
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

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Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Spectra Energy Transmission, LLC

Spectra Energy

Analysis: Metals by Method 6010B, Total
Method: SW6010B

WorkOrder: 09081449
Lab Batch ID: 93431

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 09081310-09
RunID: ICP2_090831B-5185293 Units: mg/L
Analysis Date: 08/31/2009 20:25 Analyst: AB1
Preparation Date: 08/31/2009 13:30 Prep By: R_V Method: SW3010A

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Barium	0.03080	0.1	0.1341	103.3	0.1	0.1326	101.8	1.125	20	75	125
Cadmium	ND	0.1	0.09440	94.40	0.1	0.09290	92.90	1.602	20	75	125
Chromium	ND	0.1	0.09530	95.30	0.1	0.09460	94.60	0.7372	20	75	125
Lead	ND	0.1	0.08960	87.60	0.1	0.08930	87.30	0.3354	20	75	125
Selenium	0.01810	0.1	0.1383	120.2	0.1	0.1352	117.1	2.267	20	75	125
Silver	ND	0.1	0.1232	123.2	0.1	0.1216	121.6	1.307	20	75	125

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
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MI - Matrix Interference
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Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Spectra Energy Transmission, LLC

Spectra Energy

Analysis: Volatile Organics by Method 8260B
Method: SW8260B

WorkOrder: 09081449
Lab Batch ID: R282519

Method Blank

Samples in Analytical Batch:

RunID: L_090831A-5184798 Units: ug/L
Analysis Date: 08/31/2009 11:07 Analyst: E_G

Lab Sample ID Client Sample ID
09081449-01B MISC Pond-2493

Analyte	Result	Rep Limit
1,1,1,2-Tetrachloroethane	ND	1.0
1,1,1-Trichloroethane	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
1,1,2-Trichloroethane	ND	1.0
1,1-Dichloroethane	ND	1.0
1,1-Dichloroethene	ND	1.0
1,1-Dichloropropene	ND	1.0
1,2,3-Trichlorobenzene	ND	1.0
1,2,3-Trichloropropane	ND	1.0
1,2,4-Trichlorobenzene	ND	1.0
1,2,4-Trimethylbenzene	ND	1.0
1,2-Dibromo-3-chloropropane	ND	5.0
1,2-Dibromoethane	ND	1.0
1,2-Dichlorobenzene	ND	1.0
1,2-Dichloroethane	ND	1.0
1,2-Dichloropropane	ND	1.0
1,3,5-Trimethylbenzene	ND	1.0
1,3-Dichlorobenzene	ND	1.0
1,3-Dichloropropane	ND	1.0
1,4-Dichlorobenzene	ND	1.0
2,2-Dichloropropane	ND	1.0
2-Chlorotoluene	ND	1.0
4-Chlorotoluene	ND	1.0
4-Isopropyltoluene	ND	1.0
Benzene	ND	1.0
Bromobenzene	ND	1.0
Bromochloromethane	ND	1.0
Bromodichloromethane	ND	1.0
Bromoform	ND	1.0
Bromomethane	ND	1.0
Carbon tetrachloride	ND	1.0
Chlorobenzene	ND	1.0
Chloroethane	ND	1.0
Chloroform	ND	1.0
Chloromethane	ND	1.0
Dibromochloromethane	ND	1.0
Dibromomethane	ND	1.0
Dichlorodifluoromethane	ND	1.0
Ethylbenzene	ND	1.0
Hexachlorobutadiene	ND	1.0
Isopropylbenzene	ND	1.0
Methyl tert-butyl ether	ND	1.0
Methylene chloride	ND	1.0
Naphthalene	ND	1.0
n-Butylbenzene	ND	1.0
n-Propylbenzene	ND	1.0

Qualifiers: ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
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Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Spectra Energy Transmission, LLC

Spectra Energy

Analysis: Volatile Organics by Method 8260B
Method: SW8260B

WorkOrder: 09081449
Lab Batch ID: R282519

Method Blank

RunID: L_090831A-5184798 Units: ug/L

Analysis Date: 08/31/2009 11:07 Analyst: E_G

Analyte	Result	Rep Limit
sec-Butylbenzene	ND	1.0
Styrene	ND	1.0
tert-Butylbenzene	ND	1.0
Tetrachloroethene	ND	1.0
Toluene	ND	1.0
Trichloroethene	ND	1.0
Trichlorofluoromethane	ND	1.0
Vinyl chloride	ND	1.0
cis-1,2-Dichloroethene	ND	1.0
cis-1,3-Dichloropropene	ND	1.0
m,p-Xylene	ND	2.0
o-Xylene	ND	1.0
trans-1,2-Dichloroethene	ND	1.0
trans-1,3-Dichloropropene	ND	1.0
Xylenes, Total	ND	1.0
Surr: 1,2-Dichloroethane-d4	106.5	78-116
Surr: 4-Bromofluorobenzene	107.0	74-125
Surr: Toluene-d8	101.1	82-118

Laboratory Control Sample (LCS)

RunID: L_090831A-5184797 Units: ug/L
Analysis Date: 08/31/2009 9:33 Analyst: E_G

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
1,1,1,2-Tetrachloroethane	20.0	20.3	102	71	128
1,1,1-Trichloroethane	20.0	24.5	122	61	135
1,1,2,2-Tetrachloroethane	20.0	23.3	117	60	133
1,1,2-Trichloroethane	20.0	20.0	99.9	77	127
1,1-Dichloroethane	20.0	22.8	114	68	132
1,1-Dichloroethene	20.0	24.6	123	65	134
1,1-Dichloropropene	20.0	19.1	95.6	68	126
1,2,3-Trichlorobenzene	20.0	18.0	90.2	36	154
1,2,3-Trichloropropane	20.0	23.7	118	38	153
1,2,4-Trichlorobenzene	20.0	19.3	96.4	69	144
1,2,4-Trimethylbenzene	20.0	20.0	100	64	128

Qualifiers: ND/U - Not Detected at the Reporting Limit
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Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Spectra Energy Transmission, LLC

Spectra Energy

Analysis: Volatile Organics by Method 8260B
Method: SW8260B

WorkOrder: 09081449
Lab Batch ID: R282519

Laboratory Control Sample (LCS)

RunID: L_090831A-5184797 Units: ug/L
Analysis Date: 08/31/2009 9:33 Analyst: E_G

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
1,2-Dibromo-3-chloropropane	20.0	22.8	114	44	141
1,2-Dibromoethane	20.0	19.5	97.6	75	124
1,2-Dichlorobenzene	20.0	20.8	104	68	124
1,2-Dichloroethane	20.0	19.5	97.7	61	138
1,2-Dichloropropane	20.0	20.9	105	76	123
1,3,5-Trimethylbenzene	20.0	19.8	99.0	61	127
1,3-Dichlorobenzene	20.0	20.1	100	68	127
1,3-Dichloropropane	20.0	18.2	90.8	76	125
1,4-Dichlorobenzene	20.0	19.7	98.4	68	124
2,2-Dichloropropane	20.0	24.3	122	42	142
2-Chlorotoluene	20.0	19.0	95.0	64	132
4-Chlorotoluene	20.0	19.2	95.9	61	132
4-Isopropyltoluene	20.0	20.6	103	63	136
Benzene	20.0	20.3	101	74	123
Bromobenzene	20.0	19.2	95.9	68	125
Bromochloromethane	20.0	21.4	107	71	124
Bromodichloromethane	20.0	21.1	105	72	128
Bromoform	20.0	18.8	94.1	60	128
Bromomethane	20.0	19.2	95.9	53	130
Carbon tetrachloride	20.0	26.2	131	59	142
Chlorobenzene	20.0	18.5	92.3	75	125
Chloroethane	20.0	20.8	104	60	134
Chloroform	20.0	21.8	109	71	127
Chloromethane	20.0	23.0	115	50	139
Dibromochloromethane	20.0	18.6	93.1	65	130
Dibromomethane	20.0	23.0	115	79	124
Dichlorodifluoromethane	20.0	24.2	121	22	162
Ethylbenzene	20.0	18.7	93.3	72	127
Hexachlorobutadiene	20.0	21.2	106	45	152
Isopropylbenzene	20.0	18.3	91.6	58	130
Methyl tert-butyl ether	40.0	47.7	119	63	123
Methylene chloride	20.0	23.1	116	61	135
Naphthalene	20.0	19.4	97.0	33	148
n-Butylbenzene	20.0	21.7	108	62	136

Qualifiers: ND/U - Not Detected at the Reporting Limit MI - Matrix Interference
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Quality Control Report

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8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Spectra Energy Transmission, LLC

Spectra Energy

Analysis: Volatile Organics by Method 8260B
Method: SW8260B

WorkOrder: 09081449
Lab Batch ID: R282519

Laboratory Control Sample (LCS)

RunID: L_090831A-5184797 Units: ug/L
Analysis Date: 08/31/2009 9:33 Analyst: E_G

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
n-Propylbenzene	20.0	18.9	94.5	57	131
sec-Butylbenzene	20.0	20.4	102	63	131
Styrene	20.0	19.4	96.8	69	120
tert-Butylbenzene	20.0	20.5	102	59	131
Tetrachloroethene	20.0	19.1	95.5	45	173
Toluene	20.0	16.4	82.2	74	126
Trichloroethene	20.0	20.7	104	79	131
Trichlorofluoromethane	20.0	28.9	144	49	153
Vinyl chloride	20.0	21.8	109	51	148
cis-1,2-Dichloroethene	20.0	21.1	106	71	128
cis-1,3-Dichloropropene	20.0	19.6	97.8	67	128
m,p-Xylene	40.0	39.2	98.0	71	129
o-Xylene	20.0	20.7	104	74	130
trans-1,2-Dichloroethene	20.0	22.3	111	66	128
trans-1,3-Dichloropropene	20.0	19.3	96.4	60	128
Xylenes, Total	60.0	59.9	99.9	71	130
Surr: 1,2-Dichloroethane-d4	50.0	55	110	78	116
Surr: 4-Bromofluorobenzene	50.0	57.2	114	74	125
Surr: Toluene-d8	50.0	47.5	95.0	82	118

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 09081447-01
RunID: L_090831A-5184800 Units: ug/L
Analysis Date: 08/31/2009 14:16 Analyst: E_G

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
1,1,1,2-Tetrachloroethane	ND	20	16.3	81.4	20	16.1	80.6	0.920	20	68	124
1,1,1-Trichloroethane	ND	20	17.7	88.4	20	17.6	88.2	0.215	20	69	123
1,1,2,2-Tetrachloroethane	ND	20	18.4	91.9	20	18.0	89.9	2.19	20	69	130

Qualifiers: ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TN/C - Too numerous to count

MI - Matrix Interference
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Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Spectra Energy Transmission, LLC

Spectra Energy

Analysis: Volatile Organics by Method 8260B
Method: SW8260B

WorkOrder: 09081449
Lab Batch ID: R282519

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 09081447-01
RunID: L_090831A-5184800 Units: ug/L
Analysis Date: 08/31/2009 14:16 Analyst: E_G

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
1,1,2-Trichloroethane	ND	20	18.2	91.1	20	18.5	92.5	1.57	20	75	126
1,1-Dichloroethane	ND	20	15.5	77.5	20	15.7	78.4	1.06	20	65	129
1,1-Dichloroethene	ND	20	15.9	79.7	20	16.0	79.9	0.238	22	61	139
1,1-Dichloropropene	ND	20	16.6	83.1	20	16.1	80.3	3.37	20	69	121
1,2,3-Trichlorobenzene	ND	20	7.49	37.5 *	20	7.63	38.1 *	1.80	20	53	127
1,2,3-Trichloropropane	ND	20	18.3	91.4	20	18.4	91.9	0.595	20	79	124
1,2,4-Trichlorobenzene	ND	20	11.8	59.0	20	12.3	61.3	3.76	20	58	118
1,2,4-Trimethylbenzene	ND	20	16.5	82.3	20	16.4	82.1	0.262	20	43	132
1,2-Dibromo-3-chloropropane	ND	20	17.6	87.9	20	17.5	87.5	0.439	20	46	131
1,2-Dibromoethane	ND	20	17.5	87.4	20	17.8	88.9	1.66	20	76	122
1,2-Dichlorobenzene	ND	20	17.2	86.2	20	17.3	86.6	0.457	20	74	110
1,2-Dichloroethane	ND	20	15.8	78.9	20	16.1	80.3	1.72	20	60	129
1,2-Dichloropropane	ND	20	17.5	87.3	20	17.6	88.2	1.11	20	76	116
1,3,5-Trimethylbenzene	ND	20	16.6	83.2	20	16.5	82.3	1.08	20	51	121
1,3-Dichlorobenzene	ND	20	16.8	83.9	20	16.7	83.3	0.729	20	71	110
1,3-Dichloropropane	ND	20	16.6	83.2	20	16.7	83.6	0.504	20	80	119
1,4-Dichlorobenzene	ND	20	16.2	81.2	20	16.4	81.8	0.724	20	69	110
2,2-Dichloropropane	ND	20	18.2	91.0	20	18.2	90.9	0.0275	20	52	122
2-Chlorotoluene	ND	20	16.9	84.5	20	16.6	83.0	1.78	20	69	112
4-Chlorotoluene	ND	20	16.9	84.7	20	16.8	84.0	0.877	20	37	110
4-Isopropyltoluene	ND	20	16.3	81.4	20	16.2	81.2	0.209	20	65	116
Benzene	ND	20	16.4	81.9	20	16.2	81.0	1.14	22	70	124
Bromobenzene	ND	20	16.8	84.0	20	17.0	84.8	0.883	20	72	111
Bromochloromethane	ND	20	16.4	82.2	20	16.7	83.7	1.88	20	73	126
Bromodichloromethane	ND	20	16.1	80.5	20	16.9	84.5	4.92	20	68	125
Bromoform	ND	20	12.8	64.1	20	13.3	66.3	3.38	20	44	132
Bromomethane	ND	20	12.0	59.8	20	11.8	58.8	1.64	20	50	140
Carbon tetrachloride	ND	20	17.2	86.2	20	17.0	85.0	1.39	20	66	126
Chlorobenzene	ND	20	15.9	79.7	20	15.8	79.1	0.768	21	68	123
Chloroethane	ND	20	12.9	64.4	20	12.7	63.7	1.19	20	59	134
Chloroform	ND	20	16.5	82.6	20	16.5	82.5	0.0121	20	68	127
Chloromethane	ND	20	14.6	73.1	20	14.6	72.9	0.356	20	51	137

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B/V - Analyte detected in the associated Method Blank

J - Estimated value between MDL and PQL

E - Estimated Value exceeds calibration curve

N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

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Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Spectra Energy Transmission, LLC

Spectra Energy

Analysis: Volatile Organics by Method 8260B
Method: SW8260B

WorkOrder: 09081449
Lab Batch ID: R282519

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 09081447-01
RunID: L_090831A-5184800 Units: ug/L
Analysis Date: 08/31/2009 14:16 Analyst: E_G

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Dibromochloromethane	ND	20	14.9	74.4	20	15.2	76.1	2.23	20	58	131
Dibromomethane	ND	20	18.1	90.6	20	18.7	93.4	3.05	20	82	123
Dichlorodifluoromethane	ND	20	11.8	58.9	20	12.3	61.4	4.17	20	35	143
Ethylbenzene	ND	20	16.2	80.8	20	15.6	78.0	3.47	20	76	122
Hexachlorobutadiene	ND	20	10.9	54.6	20	10.7	53.7	1.81	20	43	137
Isopropylbenzene	ND	20	14.1	70.3	20	13.7	68.3	2.91	20	57	124
Methyl tert-butyl ether	ND	40	34.9	87.3	40	36.2	90.6	3.79	20	10	200
Methylene chloride	ND	20	14.8	74.1	20	15.3	76.4	3.16	20	70	134
Naphthalene	ND	20	10.3	51.7	20	10.5	52.3	1.12	20	42	140
n-Butylbenzene	ND	20	16.7	83.4	20	16.6	83.0	0.367	20	82	112
n-Propylbenzene	ND	20	16.2	81.2	20	16.1	80.7	0.686	20	73	108
sec-Butylbenzene	ND	20	16.4	82.0	20	16.5	82.4	0.523	20	76	110
Styrene	ND	20	15.9	79.6	20	15.9	79.3	0.409	20	58	152
tert-Butylbenzene	ND	20	16.6	82.9	20	16.5	82.5	0.538	20	66	120
Tetrachloroethene	ND	20	17.9	89.6	20	17.1	85.4	4.74	20	71	130
Toluene	ND	20	15.3	76.7 *	20	14.7	73.7 *	4.04	24	80	117
Trichloroethene	ND	20	18.0	90.2	20	17.8	88.8	1.58	21	82	121
Trichlorofluoromethane	ND	20	18.4	92.2	20	18.1	90.3	2.10	20	74	138
Vinyl chloride	ND	20	14.6	73.0	20	12.8	64.2	12.9	20	45	143
cis-1,2-Dichloroethene	ND	20	15.9	79.4	20	15.9	79.4	0.00630	20	67	132
cis-1,3-Dichloropropene	ND	20	16.7	83.5	20	17.4	86.8	3.83	20	67	116
m,p-Xylene	ND	40	32.7	81.7	40	32.1	80.3	1.73	20	69	127
o-Xylene	ND	20	16.8	84.2	20	16.5	82.4 *	2.25	20	84	114
trans-1,2-Dichloroethene	ND	20	14.9	74.3	20	14.9	74.7	0.503	20	68	131
trans-1,3-Dichloropropene	ND	20	15.2	76.1	20	16.4	81.8	7.16	20	56	131
Xylenes, Total	ND	60	49.5	82.6	60	48.6	81.0	1.91	20	69	127
Surr: 1,2-Dichloroethane-d4	ND	50	52.4	105	50	53.8	108	2.68	30	78	116
Surr: 4-Bromofluorobenzene	ND	50	53.5	107	50	53.2	106	0.525	30	74	125
Surr: Toluene-d8	ND	50	50.7	101	50	50.0	100	1.24	30	82	118

Qualifiers: ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TN/C - Too numerous to count

MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

*Sample Receipt Checklist
And
Chain of Custody*



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Sample Receipt Checklist

Workorder:	09081449	Received By:	CAW
Date and Time Received:	8/31/2009 9:00:00 AM	Carrier name:	Fedex-Priority
Temperature:	15.9, 15.2°C	Chilled by:	Water Ice

1. Shipping container/cooler in good condition? Yes ☒ No ☐ Not Present ☐
2. Custody seals intact on shipping container/cooler? Yes ☐ No ☐ Not Present ☒
3. Custody seals intact on sample bottles? Yes ☐ No ☐ Not Present ☒
4. Chain of custody present? Yes ☒ No ☐
5. Chain of custody signed when relinquished and received? Yes ☒ No ☐
6. Chain of custody agrees with sample labels? Yes ☐ No ☒
3. Received 4 liters unpreserved that were composited and 4 liters preserved with HCl as extra containers with no analysis listed.4. Received a set of trip blanks not listed on Spectra chain.
7. Samples in proper container/bottle? Yes ☐ No ☒
1. Sample for Pond 1&2 metals sample was not preserved.
8. Sample containers intact? Yes ☒ No ☐
9. Sufficient sample volume for indicated test? Yes ☒ No ☐
10. All samples received within holding time? Yes ☒ No ☐
11. Container/Temp Blank temperature in compliance? Yes ☐ No ☒
2. 795503878505-15.9C, 870101736740- 15.2C
12. Water - VOA vials have zero headspace? Yes ☒ No ☐ VOA Vials Not Present ☐
13. Water - Preservation checked upon receipt (except VOA*)? Yes ☒ No ☐ Not Applicable ☐

*VOA Preservation Checked After Sample Analysis

SPL Representative:

Contact Date & Time:

Client Name Contacted:

Non Conformance Issues: 1. Preserved sample with 3 mls Nitric acid Lot # 072709-2EE 2.Proceed as per client. 3. Logged on hold as per SG.4. Logged for no analysis as per SG.

Client Instructions:



chain of custody and sample log

contact name:

contact no:

SPL Houston
8880 Interchange Drive

Houston, TX
77054

09081449

REVISED
8-31-09

LABORATORY USE ONLY

ccc/arf no.: 9833

Page 1 of 1

distribution

Original to LABORATORY

Copy to Spectra Lab Services

fax: (713) 386-4733

Comp. Station or

Upstream Station:

shipping address:

Steckman Ridge

ATTN: Sean Cramer

1809 Rock Hill Church RD

Clearville, PA 15535

717-540-8303

program code:

MISC

work order:

24 Hours

turnaround:

Northeast

region:

GTAGTEAST

routing code:

10076 0401101 63016 A439

accounting code:

method of shipment (to field):

FEDEX (Next day)

method of shipment (from field):

freight bill#:

cooler temp - (c):

condition of contents:

sampler print:

sampler signature:

Lab Acceptance Signature:

date/time:

relinquished. by:

date/time:

recd. by:

date/time:

relinquished. by:

date/time:

recd. by:

date/time:

comments or lab remarks:

environmental & corrosion analysis:

date bottleware required: 8/29/2009 12:00:00AM

expected sample date: 8/29/2009 12:00:00AM

prelim data: False

Type II Std

type of data package:

e-mail: JJBauer@spectraenergy.com

Sys_sample_code	Sample Point	Sample Comment	Collection Date	Collection Time	Matrix	COMP/ GRAB	MAG	Bottle Preservative	ICE	Use Accepted Plg.	QC Required
9833-01	MISC	Pond - 2493			A	G	MAG - 1664_HEM_O&G_AQ	HCL	yes	False	
9833-01	MISC	Pond - 2493			A	G	MAG - 8260B_VOA_AQ_3	HCL	yes	False	
9833-01	MISC	Pond - 2493			A	G	MAG - 6000_8RCRA_AQ_1	HNO3	no	False	
9833-01	MISC	Pond - 2493			A	G	MAG - 608_PCB_AQ_2	None	yes	False	

* Each sample on the chain of custody should have a unique sample date and time.

* Sampler please fill in all shaded areas.



chain of custody and sample log

contact name:

contact no:

SPE, Houston
8880 Interchange Drive

Houston, TX
77054

coc/arf no.: 9833

Page 1 of 1

distribution

Original to LABORATORY

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09681449

LABORATORY USE ONLY

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Northeast

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GTAGTEAST

routing code:

10076 0401101 63016 A439

relinquished by:

date/time:

relinquished by:

date/time:

comments or lab remarks:

environmental & corrosion analysis:

date bottles are required: 8/29/2009 12:00:00AM

expected sample date: 8/29/2009 12:00:00AM

prelim data: False

Sys_sample_code	Sample Point	Sample Comment	Collection Date	Collection Time	Matrix	COMP/GRAB	MAG	type of data package:	reel. by:	date/time:	reel. by:	date/time:	QC Required
9833-01	MISC	Pond - 2493			A	G	MAG - 6000 PCB AQ 2	type II Std. JJBauer@spectraenergy.com	reel. by:	date/time:	reel. by:	date/time:	QC Required
9833-01	MISC	Pond - 2493			A	G	MAG - 6000 PCB AQ 2		reel. by:	date/time:	reel. by:	date/time:	QC Required
9833-01	MISC	Pond - 2493			A	G	MAG - 6000 PCB AQ 2		reel. by:	date/time:	reel. by:	date/time:	QC Required
9833-01	MISC	Pond - 2493			A	G	MAG - 6000 PCB AQ 2		reel. by:	date/time:	reel. by:	date/time:	QC Required

* Note asterisk analysis was not originally within scope and neither bottle were OK preservative
was provided by Lancaster Labs for this analysis. Run samples POND-082809-1/4 POND-082809-2
if enough sample and time to preserve is available May 1, 2010

* Each sample on the chain of custody should have a unique sample date and time.

* Sampler please fill in all shaded areas.